

EMERGENCY SUPPORT FUNCTION 3

PUBLIC WORKS AND ENGINEERING

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ESF 3: Public Works & Engineering

- ◆ What is it?
- ◆ Why have it? Purpose...?
- ◆ How does it function?
- ◆ Who does what?
- ◆ What is relationship to support agencies?
- ◆ How does it support State & Local gov.?
- ◆ What are the current issues?

ESF 3: What is it?

- ◆ Emergency engineering services
- ◆ Technical evaluations and advice
- ◆ Coordinate removal of debris
- ◆ Construction project management
- ◆ Emergency contracting
- ◆ Coordinate emergency repairs
- ◆ Provide potable water
- ◆ Provide emergency power

ESF 3: What is it's purpose?

1. Provide Public Works and engineering support for response and recovery
2. Provide for:
 - Demolition of unsafe structures
 - Debris and wreckage clearance
 - Temporary repair of essential facilities
 - Structural inspection of facilities

ESF 3: How does it function?

Immediate Response

- ◆ In an earthquake, provides ATC-20 Trained Damage Assessment Teams (10)
- ◆ Priority assigned by State & Fed Officials
- ◆ Support State and local response and recovery
 - GA Facilities on Capital Campus
 - Other State facilities
 - Other facilities as assigned

ESF 3: How does it function?

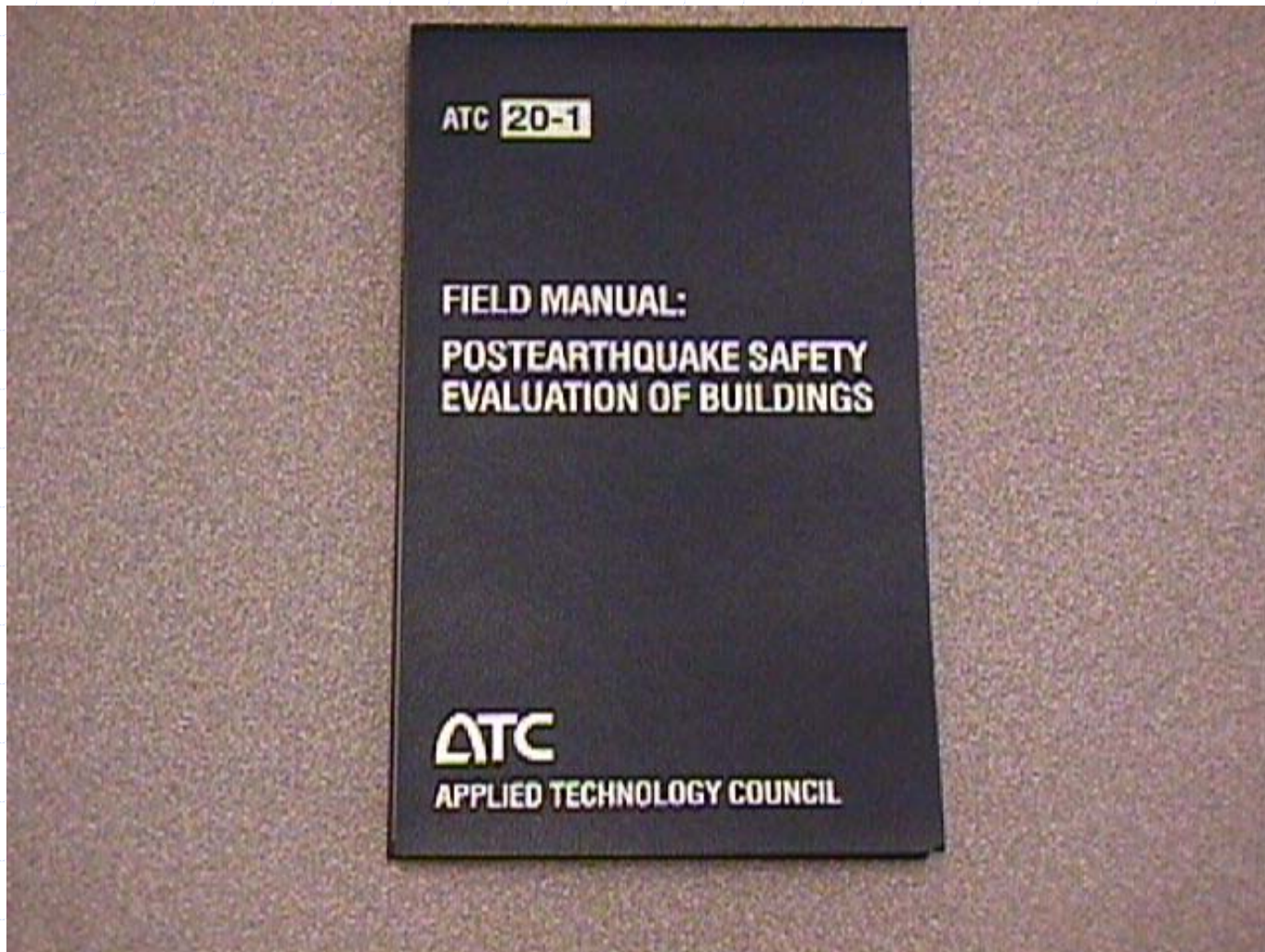
Response and Recovery

- ◆ Coordinate emergency public works resources
- ◆ Provide emergency contracting for heavy equipment, debris removal, construction
- ◆ Provide lists of emergency building industry consultants and contractors
- ◆ Support State & local response and recovery
 - GA Facilities on Capital Campus
 - Other State facilities
 - Other facilities as assigned

ATC-20 Training

- ◆ Post Earthquake Safety Evaluation of Buildings
- ◆ 5 Hour course given every 2 years
- ◆ Training given by qualified structural engineers
- ◆ Augmented with ATC-21 training:
Rapid Visual Screening of Buildings
 - Earthquake Structural Response of Buildings

ATC-20 Training Manual



Damage Assessment Teams

- ◆ Conduct on-site structural safety assessments
- ◆ First: Rapid Evaluation Safety Assessment
- ◆ Tag buildings with: Red, Yellow or Green
- ◆ Recovery: Detailed Damage Assessment
- ◆ ATC-20 & ATC-21 Trained Architects & Engineers from E&AS (GA)
- ◆ Equipped with forms, ATC-20 manuals, simple walkie talkies, flashlights & protective gear

Damage Assessment Team Gear



ESF 3: Who does what?

◆ Lead: Engineering & Architectural Services/GA

◆ Support Agencies:

Corrections

Ecology

OFM

Fish and Wildlife

Labor and Industry

Transportation

Licensing

Military

Natural Resources

Parks & Recreation

State Patrol

FEMA

Army Corps of Engr

ESF 3: Who does what?

Lead: Engineering & Architectural Services/GA

- ◆ Provides ATC-20 trained teams
- ◆ Provides personnel for PDA teams
- ◆ Activates Emergency Contracting desk
- ◆ Coordinates support agency resources
- ◆ Contacts A/E's & Contractors
- ◆ Participates on Project Worksheet teams

ESF 3: Who does what?

Department of Corrections

- ◆ Conducts initial damage assessment
- ◆ Provides security of facilities
- ◆ Coordinates debris removal
- ◆ Provides bulldozers, trucks & heavy equipment in emergency
- ◆ Provides liaison to state EOC

ESF 3: Who does what?

Department of Ecology

- ◆ Investigates spills and pollution causes
- ◆ Monitors water contamination
- ◆ Provides flood control & dam safety
- ◆ Provides condition assessment for dams, dikes, sanitary sewer systems
- ◆ Provides debris removal from rivers/lakes

ESF 3: Who does what?

Office of Financial Management

- ◆ Specifies funding of emergency response and recovery

ESF 3: Who does what?

Department of Fish and Wildlife

- ◆ Provides water trucks
- ◆ Conducts initial damage assessments
- ◆ Conducts internal PDA and PW reports
- ◆ Provides hydraulics permit services
- ◆ Supplies aerial reconnaissance

ESF 3: Who does what?

Department of Labor and Industries

- ◆ Examines:
 - electrical installations
 - boilers
 - pressure vessels
 - manufactured housing
- ◆ Assures safety compliance for response and recovery
- ◆ Supplies laboratory services and equipment to detect hazardous materials

ESF 3: Who does what?

Department of Licensing

- ◆ Verifies licenses of professional and technical personnel involved with response and recovery

ESF 3: Who does what?

Military Department

- ◆ Maintains State EOC
- ◆ National Guard:
 - Provides transportation of key personnel
 - Provides security when requested
 - Supplements state communications
 - Provides aerial reconnaissance
 - Conducts initial damage assessments
 - Supplies limited power generation
 - Provides water purification

ESF 3: Who does what?

Department of Natural Resources

- ◆ Provides initial damage assessments
- ◆ Participates in Project Worksheet teams
- ◆ Conducts debris removal on DNR land
- ◆ Provides aerial reconnaissance
- ◆ Provides bulldozers, trucks & heavy equipment
- ◆ Provides liaison to EOC

ESF 3: Who does what?

Department of Transportation

- ◆ Inspects, repairs & maintains state transportation system
- ◆ Designates alternate routes
- ◆ Coordinates engineering services in support of transportation system
- ◆ Conducts initial damage assessments of state & non-state transportation facilities

ESF 3: Who does what?

Department of Parks and Recreation

- ◆ Conducts initial damage assessments
- ◆ Participates on PDA team and Project Worksheet team

ESF 3: Who does what?

State Patrol

- ◆ Provides emergency communications
- ◆ Provides security
- ◆ Provides aerial reconnaissance

ESF 3: Who does what?

Federal Emergency Management Agency

- ◆ Provides liaison to state EOC
- ◆ Provides Admin support, communications, equipment, and personnel to ESF 3
- ◆ Coordinates available regional assets and identifies resources outside the region
- ◆ Establishes communications with other Federal Agencies
- ◆ Provides damage assessments and reports to state EOC, Army Corps of Engineers and FEMA
- ◆ Provides SITREPS

ESF 3: Who does what?

US Army Corps of Engineers

- ◆ Provides liaison to state EOC
- ◆ Provides Admin support, communications, equipment, and personnel to ESF 3
- ◆ Coordinates available regional assets and identifies resources outside the region
- ◆ Establishes communications with Army Corps
- ◆ Provides damage assessments and reports to state EOC, Army Corps of Engineers and FEMA
- ◆ Provides SITREPS

ESF 3: What are the current issues?

- ◆ Who pays for Emergency Contracting?
- ◆ Move the Contractor & Consultant Emergency Database to the Internet
- ◆ How to Keep Training Sharp?
- ◆ Pre-earthquake Structural Assessments and Visual Screening of Buildings?

ESF 3: What are the current issues?

Pre-earthquake Structural Assessments

